Khalil Teijon Sellers
US Citizen
khalil.sellers@gmail.com
303-638-8085 (cell)

Objective: Further human space exploration and make advances in long-term and deep space survivability of humans. Seeking full-time employment in the engineering field under the systems, electrical, or structural engineering discipline including requirements development, design architecture, and hardware implementation.

Education:

Bachelor of Science in Earth and Space Exploration Systems Design
Arizona State University – Dean's List
Graduation date: May 2018
Grade Point Average: 3.02

Skills:

- Python & MATLAB programming languages
- Design Review Experience (SRR, PDR, CDR, MRR/FRR)
- AutoCAD, Thermal Desktop, SolidWorks, Blender, PSPICE, Microsoft Office Suite, Jupyter, GNAT
- Machining (band saw, mill & lathe, grinder, sander, drill press, soldering, bending and notching equipment)
- Moderately fluent in Spanish

Relevant Coursework:

Thermodynamics, Electronic Instrumentation, Stellar/Planetary Astrophysics, Modeling and Analysis of Space Thermal Systems, Engineering System & Experimental Problem Solving, Aerospace Fundamentals, Circuits, Senior Exploration Project, Exploration Systems Engineering

Projects:

CubeSat Project
Arizona State University, Tempe, AZ

- Built and tested driving circuits for photodiodes
- Utilized CAD software, Blender to render and print a carbon fiber CubeSat model
- Mounted all components whilst ensuring proper interfaces

CHRONOS Systems Engineering Project
Arizona State University, Tempe, AZ

- System Engineer and Structural subsystem lead for project
- Worked Phase A – E in a high level design
- Rendered a complete Moon sample return craft using SolidWorks and Blender
  - Science matrix, derived system requirements, concept of operations, trade studies, structural design, thermal design, communications system, GN&C system, propulsion system, and power system

Arctic Ice Management
Arizona State University, Tempe, AZ

- Designed mission to mitigate Arctic ice loss
- Structural subsystem lead for project – rendered using SolidWorks and built physical structural system
- Designed, built, and tested relay, sensor, and converter circuits
- Wrote automation code for each system on raspberry pi computers using python
  - Science matrix, derived system requirements, concept of operations, structural design, computer system, safety, testing system design, and power system

Organizations:

- **Fusion Ministries** (February 2018 - Present)
  - Student Leader
- **Project Access** (June 2015 – Present)
  - Volunteer for non-profit organization dedicated to at risk youth in a low income community
- **Vista Peak Preparatory** (August 2018 – Present)
  - Volunteer football coach
- **Rangeview High School**
  - Track and Field coach

Employment History:

Capstone Logistics – Denver, CO:

Warehouse Associate (July 2018 - September 2018)

- Oversee products entering the warehouse to ensure accuracy and integrity of shipments
- Inspect and research discrepancies in inventory

Rideshare Driver – Denver, CO & Tempe, AZ:

Independent Contractor -- (June 2015 - Present)

- Independent contractor for a transportation company, transporting over 2,500 customers a total of 20,000 miles, while maintaining an average rating of 5.00 out of 5.00